

FIG. 16

FIG. 1A	FIG. 1B	FIG. 1C
FIG. 1D	FIG. 1E	FIG. 1F

FIG. 16A	FIG. 16B
-------------	-------------

FIG. 17

FIG. 17A	FIG. 17B
-------------	-------------

FIG. 2

FIG. 2A	FIG. 2B
FIG. 2C	FIG. 2D

FIG. 18

FIG. 18A	FIG. 18B
FIG. 18C	FIG. 18D

FIG. 6

FIG. 6A	FIG. 6B
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FIG. 19

FIG. 19A	FIG. 19B
FIG. 19C	FIG. 19D

FIG. 7

FIG. 7A	FIG. 7B
FIG. 7C	FIG. 7D

FIG. 20

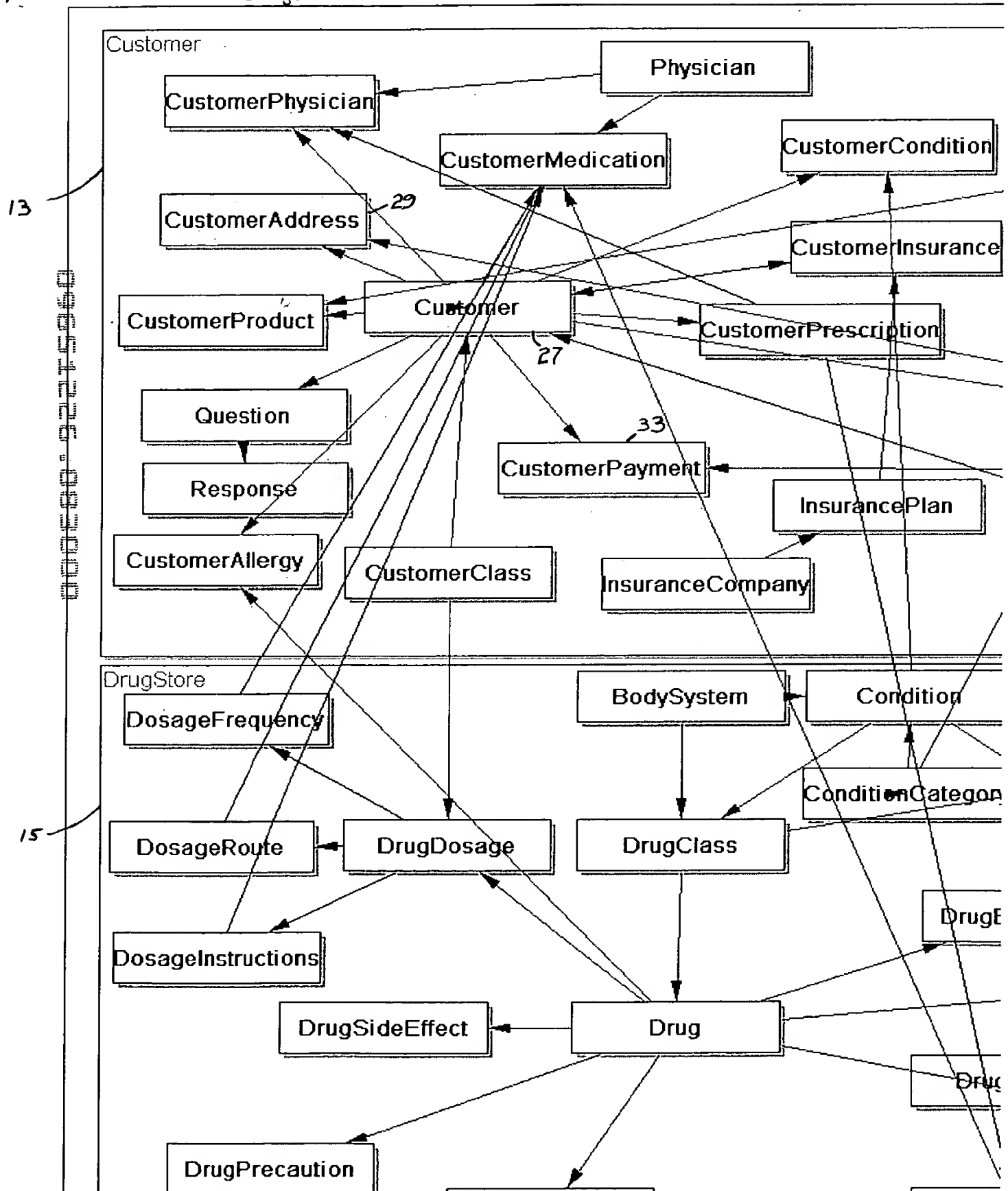
FIG. 20A	FIG. 20B
FIG. 20C	FIG. 20D

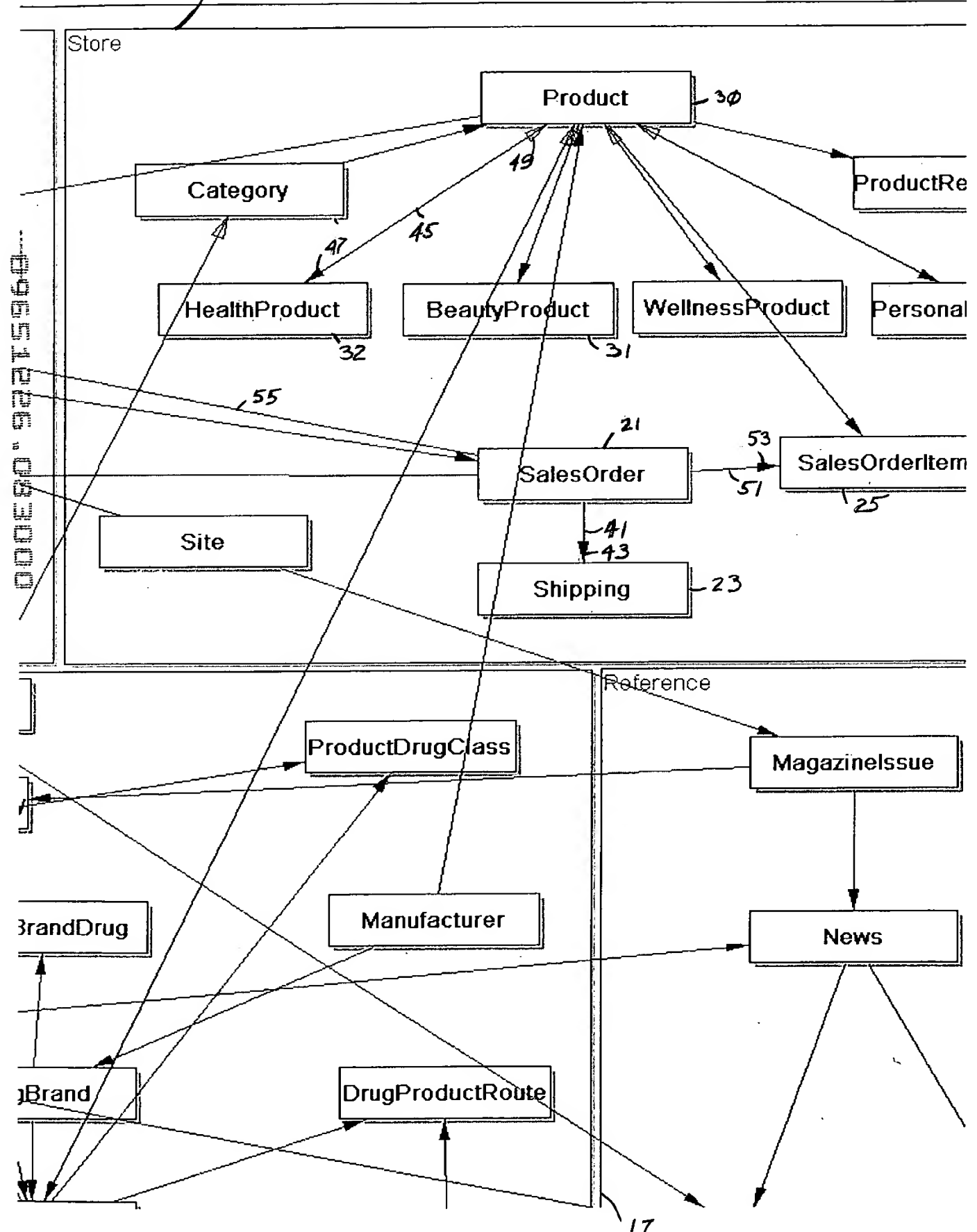
FIG. 9

FIG. 9A	FIG. 9B
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[illegible]

Drugstore 11 Fig. 1





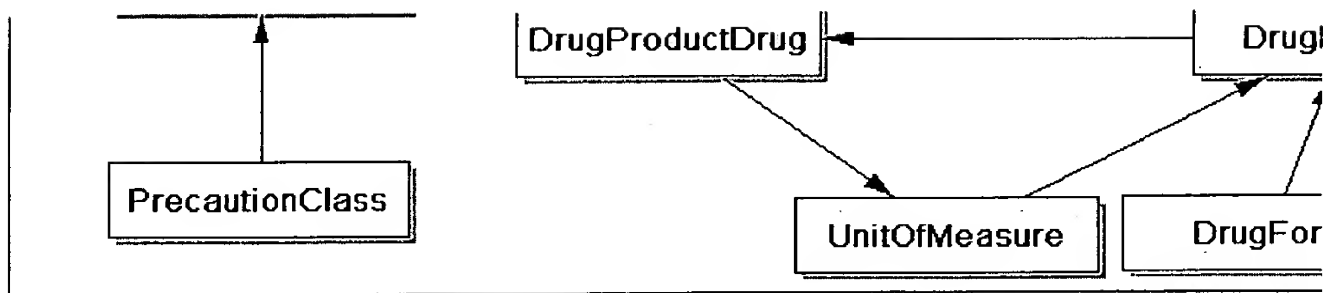
Relationship

CareProduct

051226-083000



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Topic

211

Fig. 2

eComBuilder - [NewDrugStore3.OMD]

File Edit View Insert Project Multi User Construct Import Window Help

215 DrugStore

217 DrugStore

219 Core

213 Reference

221 Store - 19

213 BeautyProduct

213 Category

213 HealthProduct

213 PersonalCareProd

213 Product

213 ProductRelationsh

221 SalesOrder - 21

221 SalesOrderItem

213 Shipping

213 Site

213 WellnessProduct

213 Customer

213 notused

213 ExtCategory

213 New

213 NewApplication

210

Entity Services Attributes Agents Process Agents Documents

☐ To be Deleted ☐ Class Attribute

Attribute List

☒ User ☐ System ☐ Rollups

SalesOrder ☐ Sort

	T	R	Attribute Name
1	R		Customer
2	M		OrderItems
3	B	1	OrderDate
4	B	1	SubTotal
5	B	2	ShippingCharge
6	B	1	Taxes
7	B	1	OrderTotal
8	B		PrescriptionOrder
9	S		ShippingAddress
10	E		ShippingMode
11	B		NameOnShipLabel
12	B		OrderStatus
13	B	1	OrderNumber
14	B		OrderStatusString
15	S		Payment
16	S		BillingAddress
17	S		Shipping
18	E		StateVar

Name

Caption

Description

To Do

Help

Data Type

Properties

Required

Process State

Non-Persistent

Multi-Value

Presentation

Group

Entry Control

View Control

New Delete Up Down

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000530-922T5360

Messages					Data Gen	Data Entry	Experience Gen	Object Gen	Test Cockpit																					
StateVar			Attribute Methods		Business Rules																									
State Var			DB Name		StateVar																									
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<div></div>																														
<div></div>																														
<input type="radio"/> Basic <input checked="" type="radio"/> Enum <input type="radio"/> Class			Define Enum StateVar <input type="checkbox"/> Local																											
StateVar			<table border="1"><tr><td>1</td><td>Initiate</td><td></td></tr><tr><td>2</td><td>Registered</td><td>261</td></tr><tr><td>3</td><td>Verified</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>							1	Initiate		2	Registered	261	3	Verified													
1	Initiate																													
2	Registered	261																												
3	Verified																													
<div><input type="checkbox"/> Read Only <input type="checkbox"/></div> <div><input checked="" type="checkbox"/> Owns <input type="checkbox"/></div> <div><input type="checkbox"/> Public <input type="checkbox"/></div> <div><input type="checkbox"/> Nested <input type="checkbox"/></div>			<div>Keys</div> <div><input type="checkbox"/> Identity <input type="checkbox"/></div> <div><input type="checkbox"/> Unique Key <input type="checkbox"/></div> <div><input type="checkbox"/> Indexed <input type="checkbox"/></div> <div><input type="checkbox"/> Cluster <input type="checkbox"/></div>			<div>Options</div> <div><input type="checkbox"/> User Selecting <input type="checkbox"/></div> <div><input type="checkbox"/> User Identifying <input type="checkbox"/></div> <div><input type="checkbox"/> Primary Key <input type="checkbox"/></div> <div><input type="checkbox"/> Not in Archive <input type="checkbox"/></div> <div><input type="checkbox"/> Not in Audit Trail <input type="checkbox"/></div> <div><input type="checkbox"/> Not in Template <input type="checkbox"/></div>																								
						User Invisible <input type="checkbox"/>																								
type Edit			Control Style																											

SubObjects



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Luit		ControlStyle	
Button	In-place	ButtonIcon	
		NUM	

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NauArchitect Workbench - [NewDrugStore3]

File Edit View Insert Project Multi-Use Construct Import Window Help

DrugStore
DrugStore
Core
Reference
Store
BeautyProduct
Category
HealthProduct
PersonalCareP
Product
ProductRelatio
SalesOrder
SalesOrderItem
Shipping
Site
WellnessProdu
Customer
notused
ExtCategory
New
NewApplication

Attributes
Agents
Process Agents
Documents
Messages
Data Gen
Data Entry
Experience Gen
Object Gen
Test Cockpit

To be Deleted: ☐ Class Attributes

Attributes List

User System Polyps

SalesOrder Sort

	R	Attribute Name
1	R	Customer
2	M	OrderItems
3	B	OrderDate
4	B	SubTotal
5	B	ShippingCharge
6	B	Taxes
7	B	OrderTotal
8	B	PrescriptionOrder
9	S	ShippingAddress
10	E	ShippingMode
11	B	NameOnShipLabel
12	B	OrderStatus
13	B	OrderNumber
14	B	OrderStatusString
15	S	Payment
16	S	BillingAddress
17	S	Shipping
18	E	StateVar

Name: Payment Attribute Methods: Business Rules...

Options: Payment DB Name: Payment

Description:

To Do:

Help:

Data Type: Basic Enums Case 333
CustomerPayment Go Cancel

Parent Entity Relationship
B Directional Event Channel

Properties: Required ☐ Read Only ☐ Process State ☐ Dynamic ☐ Non-Persistent ☐ Public ☐ Multi-Value ☐ Nested ☐ Keys: Mandatory ☐ Unique Key ☐ Indexed ☐ Cluster ☐ Options: User Selecting ☐ Not in Archive ☐ User Identifying ☐ Not in Audit Trail ☐ Primary Key ☐ Not in Template ☐ Presentations: Group: User Inhibitor ☐ Entry Control Type: Edit Control Style: View Control Type: Edit Control Style:

Sub-Objects: Add Delete Invertance Auto-Join

Ready

Start Exploring: Apps DBTool-Micro Visual Sources Trial Documents DBTool-Micro NauArchitect38 VCR 2:02 PM

Fig 3

-41

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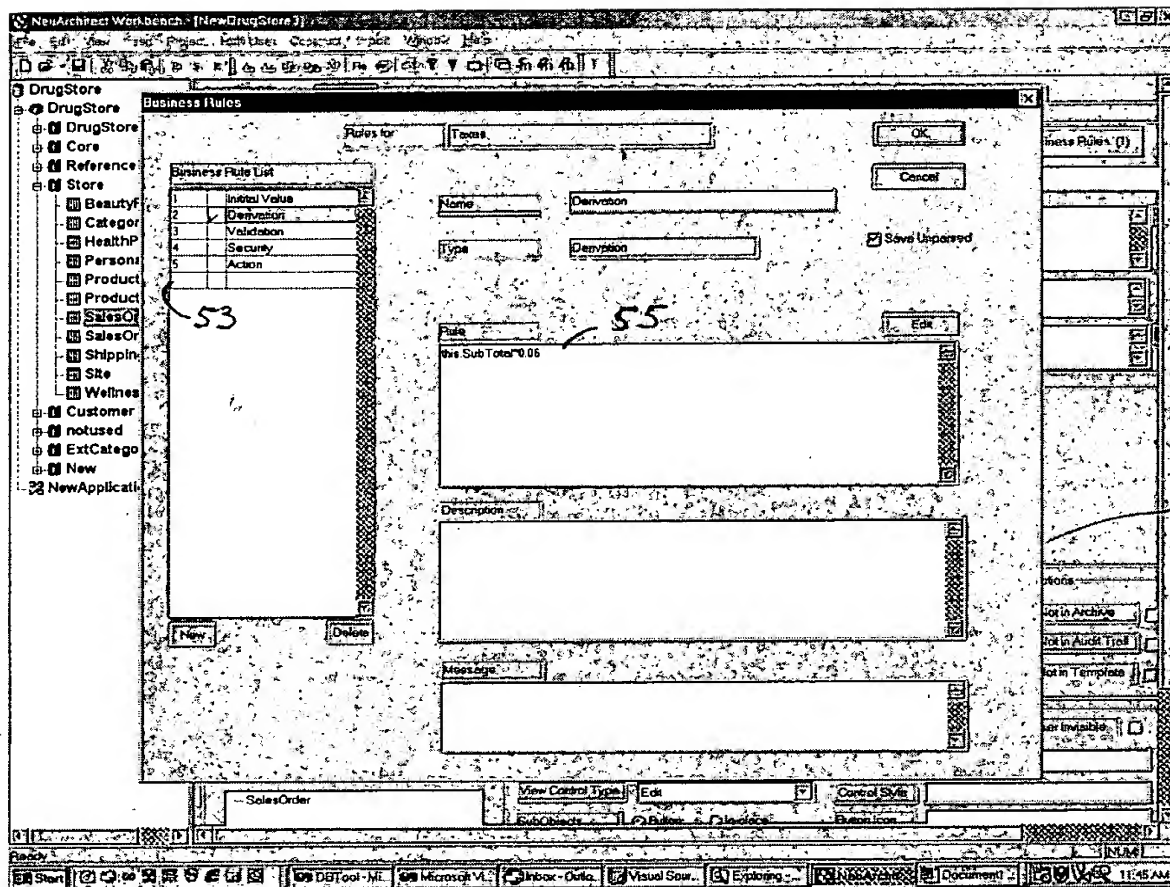
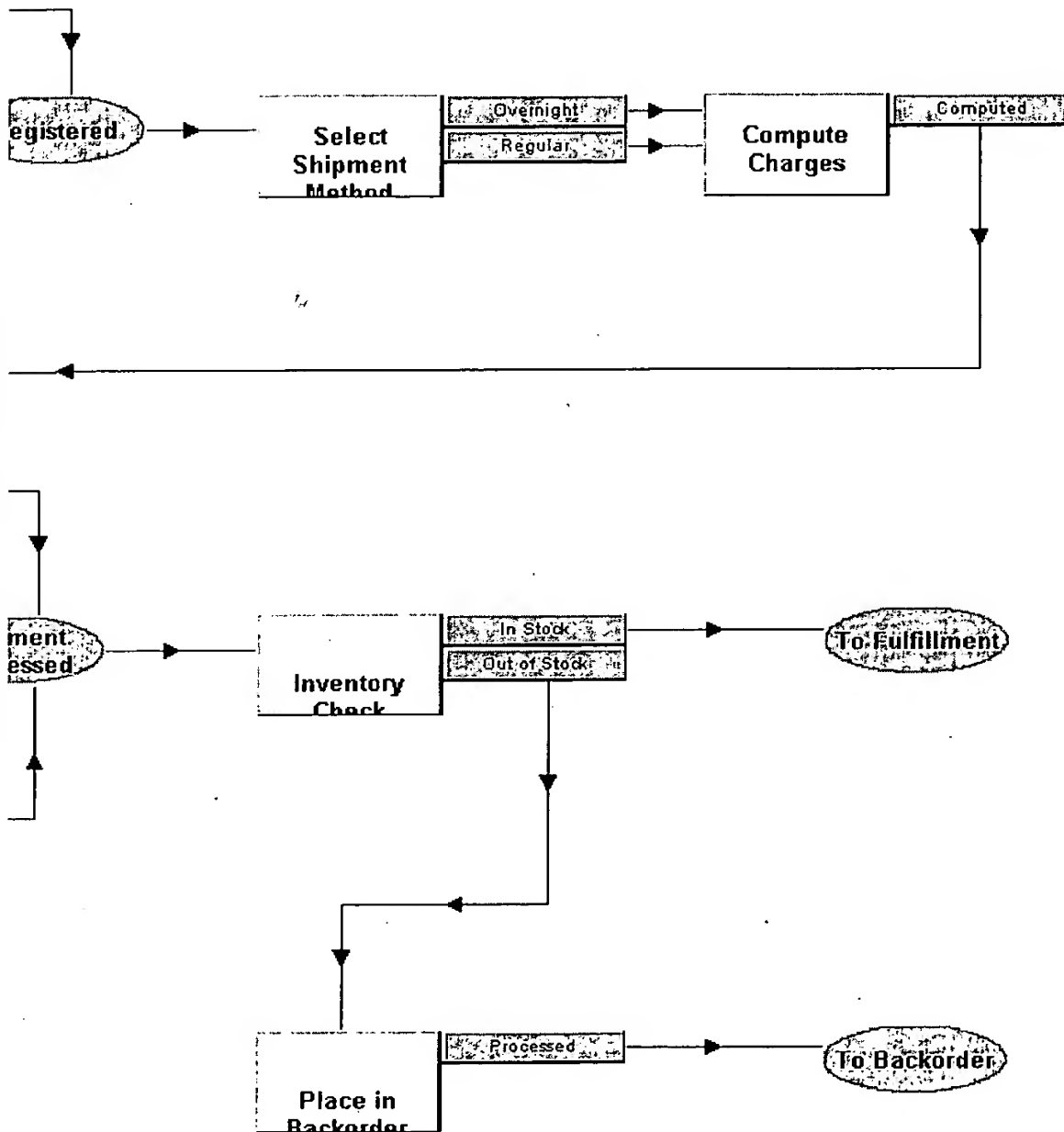
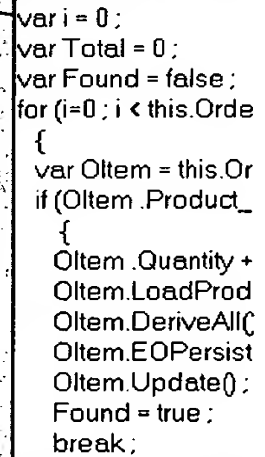


Fig. 5

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The screenshot shows the Visual Studio .NET IDE with the 'Messages' class selected in the Solution Explorer. The 'AddItemToOrder' method is highlighted in the Code window. The 'Messages' class is a 'Class' and is 'Required in Inherited Class'. The 'AddItemToOrder' method is a 'Class' and is 'Required in Inherited Class'.

```
derItems[i] ;
ID == Product_ID)
```

```

= Quantity;
uct();
I;
Status = 3;

```

er(int Product_ID, int Quantity)

Name	In	Out	Ret	ByR	Arr
Product ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECRET

A screenshot of a Windows 95 desktop. The desktop background is a light blue gradient. In the bottom-left corner, there is a taskbar with a 'Ready' status bar. The status bar is a horizontal bar with a black background and white text. The word 'Ready' is displayed in a white, sans-serif font. To the right of the word 'Ready', there is a small, rectangular icon with a black background and a white, stylized 'X' or 'E' shape. The icon is positioned to the right of the word 'Ready' and is slightly larger than the text. The overall image is a low-resolution, pixelated screenshot of a computer screen.

[illegible][illegible]

000000 92275960 09651226 083000

Flow Chart of Generation

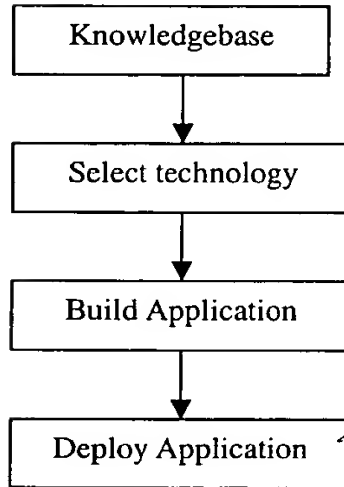
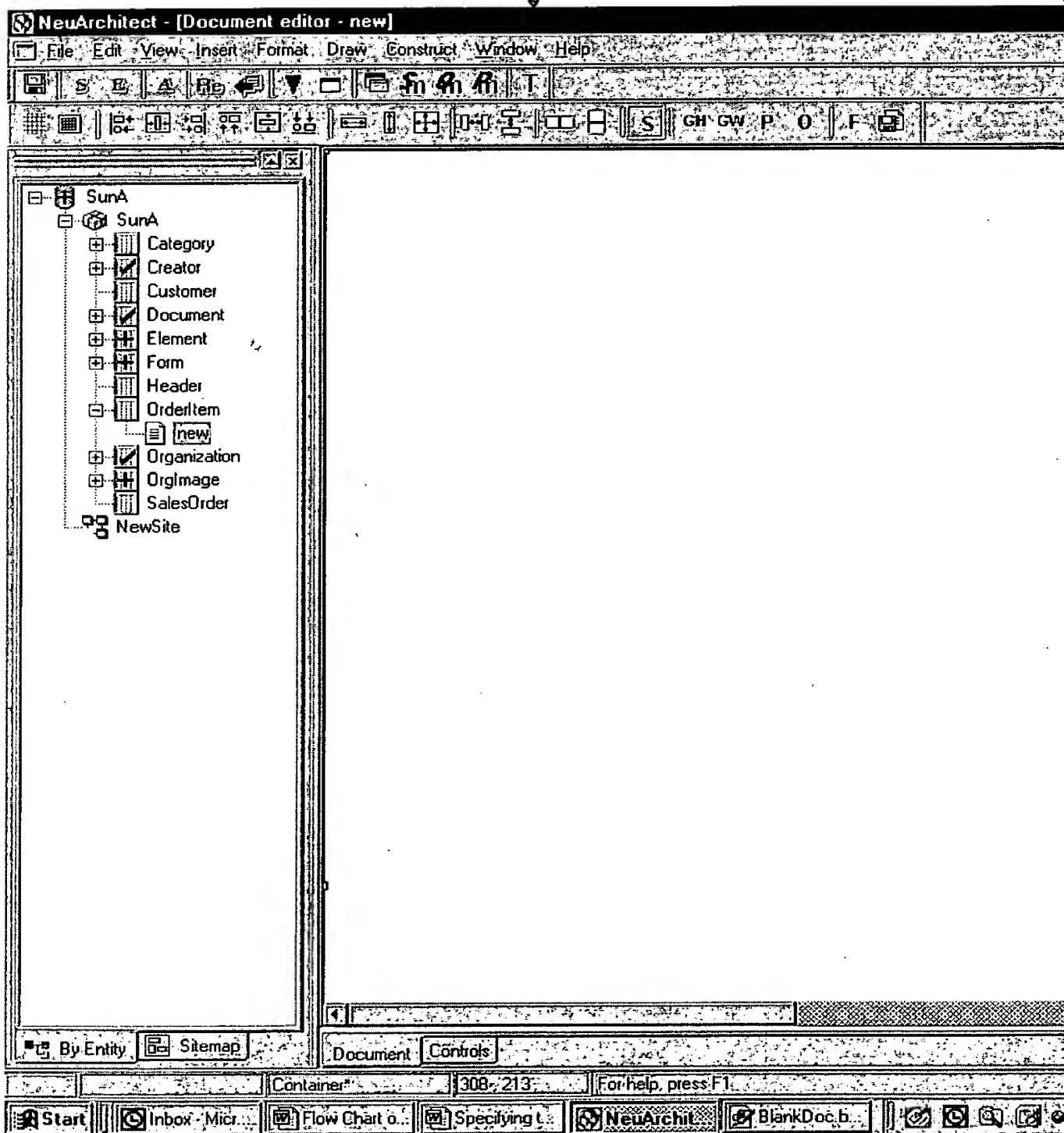


Fig 8

911

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915

Fig. 9

The screenshot displays the Microsoft Access 2.02 environment. At the top, a menu bar includes File, Edit, Format, View, Window, and Help. Below the menu bar is a toolbar with icons for opening, saving, printing, and other functions. The main workspace is divided into several panes. On the left, a vertical pane shows a list of objects: Database, Tables, Queries, Forms, Reports, and Macros. The central pane displays a grid of icons representing different data types or functions. Below this, a table named 'OrderItem' is visible, containing three rows of data. The first row has columns for 'T', 'R', and 'Name'. The second row has columns for 'B', 'price', and 'SalesOrder'. The third row has columns for 'R', 'SalesOrder', and 'SalesOrder'. The bottom of the screen features a status bar with the text 'EditorBar' and a clock showing '12:52 PM'.

	T	R	OrderItem
1	B		Name
2	B		price
3	R		SalesOrder

913

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1017 1019 1011

Properties

Form Object Space Data Security Parameters Form Themes Meta tags Technology

☐ Return ☒ Final ☐ View only ☐ Secure page ☐ Check for required fields

☐ Report ☐ Center ☒ Has data access

Name: insertous

Directory expression:

Entity: Customer

Title:

Theme: Current

Style: BaseControls

Control style: BaseControls

HTML style:

HTML template:

Description:

To do:

Script OnLoad:

Script Client:

View

Data access: Enter Only

Data binding: Auto (Same as Parent)

View name:

Use transactions:

1013 1015

Properties

OK

Fig. 10

Properties

Form Object Space Data Security Parameters Form Themes Meta tags Technology

☐ Retire ☒ Final ☐ View only ☐ Secure page ☐ Check for required fields

☐ Report ☐ Center ☒ Has data access

Name: Insertous

Directory expression:

Entity: Customer

Title:

Theme: Current

Style: BaseControls

Control style: BaseControls

HTML style:

HTML template:

Description:

To do:

Script OnLoad:

Script Client:

View

Data access: Enter Only

Data binding: Auto (Same as Parent)

View name: Dynamic

Use transactions: Static

OK

1011

109 1011

Properties

Form Object Space Data Security Parameters Form Themes Meta tags Technology

Attribute name in object space: Customer

Entity name in object space: Customer

Selection:

Sort:

Current entity available attributes:

ATTRIBUTES (4)

- Addresses
 - Age
- Name
- Orders

METHODS (0)

MESSAGES (0)

Entity list for current document:

- OrderItem
 - Name
 - Price
- Customer
 - Name
 - Age

All entities:

- Address
- CusOrder
- Customer
- OrderItem

Refresh Remove

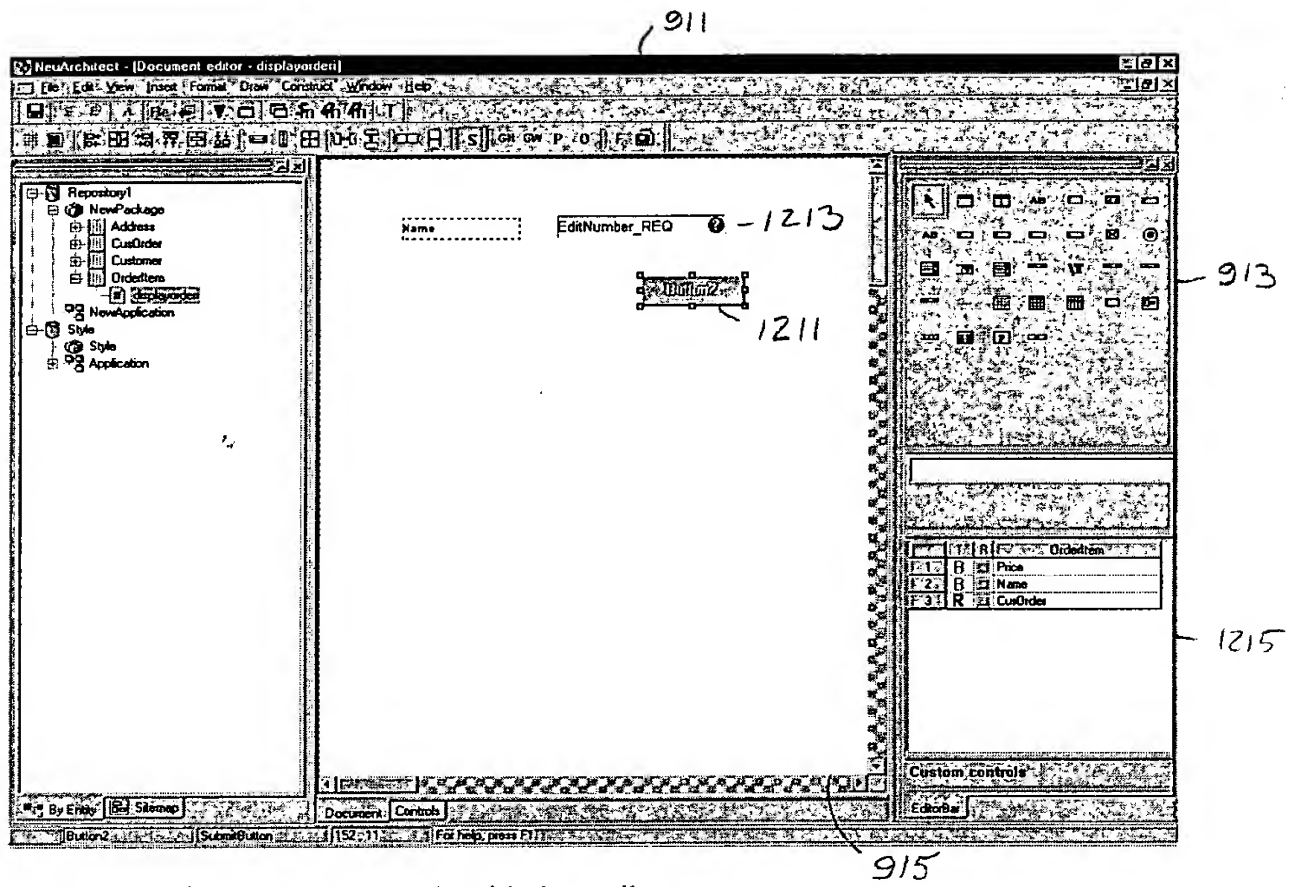
1119 1117 1115

Properties

OK

Fig. 11

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5--Associate the data controls with the attributes.

Fig. 12

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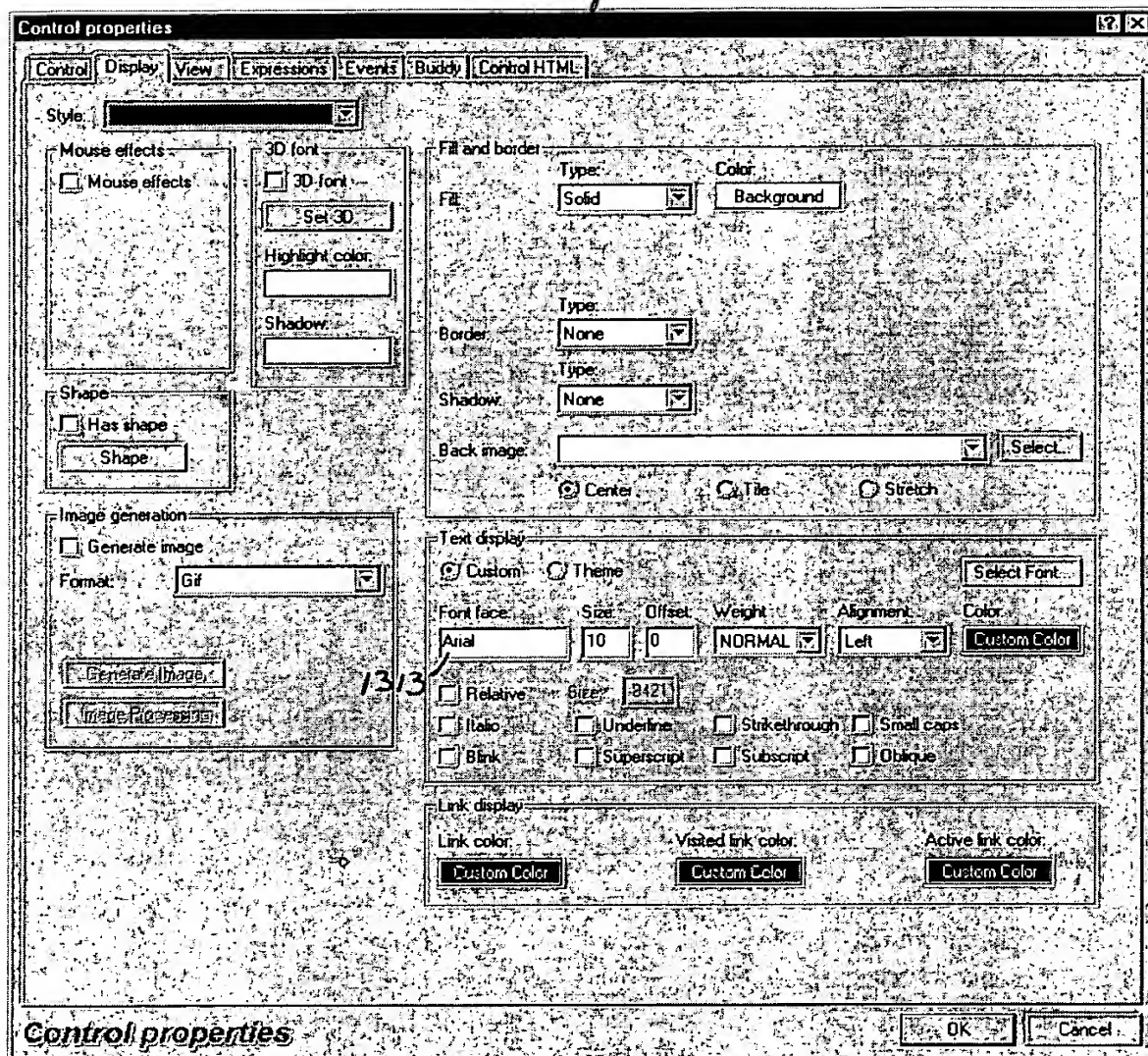


Fig. 13

-1417

Fig. 14

NeuArchitect Analytics Run-time Architecture

151

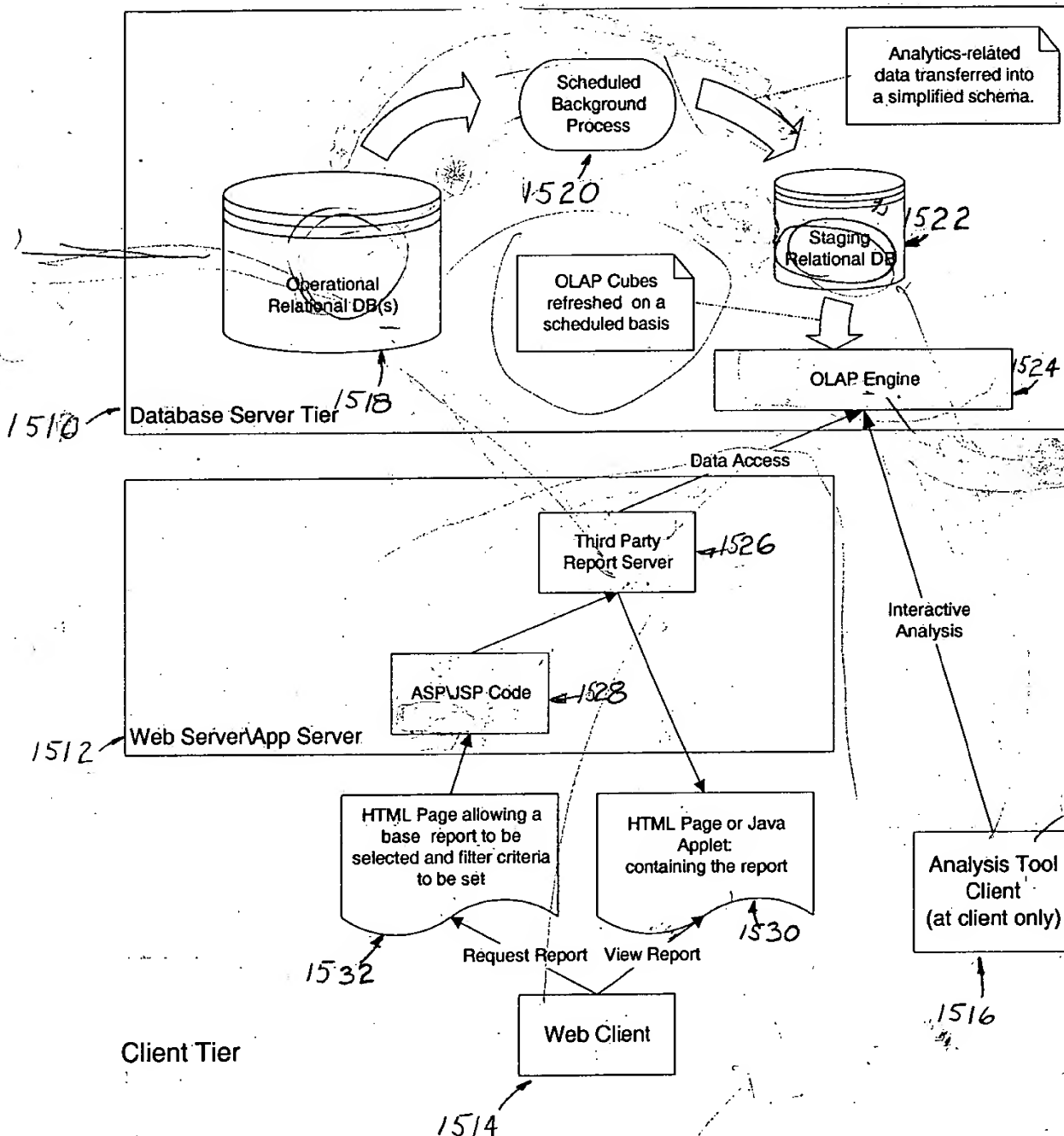


Fig 15

[illegible]

529/1625

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<div>[-] [X]</div> <div>[-] [X]</div>	
<div>Analytics</div> <div>Features</div>	
<div>Copy/Xfr. Attributes</div>	
<div>ity classification:</div> <div></div>	
<div></div> <div></div>	
<div></div> <div></div>	
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<div></div> <div></div>	
<div>Data Descriptor</div> <div>Features</div> <div>Sample Data</div>	

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MyTest

NewPackage

TheSubject

BuyerOrg

BuyerPerson

Manufacturer

Product

Seller

XAction

NewApplication

File Edit View Insert Project Multi-User Construct Import Window Help

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

User System To be deleted Do not persist

Attribute list

	T	R	Attribute Name
1	R		Buyer
2	R		Seller
3	R		Product
4	B		XDate
5	E		XStatus
6	B		XAmount
7	B		SName
8	B		SRegion
9	E		ArchiveStatus
10			
11			

Attribute details

Name: XAmount

Caption: XAmount

Description:

To do:

Help:

Data Type Properties Visualization Business Rules

Properties

Required

Read only

Nonpersistent

Public

Process state

Analytics measure

Keys

Identity

User selecting

User identifying

Not in archive

Not in audit trail

Not in template

Fig 17

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CopyXlr Attributes

Analytics Features

Data Descriptor Features Sample Data

Data classification:

☐ ☐ ☐

000E80" 922T5960

MyTestArchitect - [MyTest.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

MyTest

- NewPackage
- TheSubject
 - BuyerOrg
 - BuyerPerson
 - Manufacturer
 - Product
 - Seller
 - XAction
- NewApplication

1625

1643

Attribute list

	T	R	Attribute Name
1	R		Buyer
2	R		Seller
3	R		Product
4	B		XDate
5	E		XStatus
6	B		XAmount
7	B		SName 1641
8	B		SRegion
9	E		ArchiveStatus
10			
11			

Attribute details

Name: XStatus

Caption: XStatus

Description:

To do:

Help:

Do not persist

Data Type: Properties Visualization Business Rules

Data type: Basic Enum Class

XStatus

Fig 18

SECRET

Analytics Features

Copy Xlr Attributes

Data Descriptor

Features Sample Data

Define Enum

XStatus

1	initiated
2	inprogress
3	complete
4	
5	

[illegible]

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NewArchitect - [MyTest.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help

MyTest

- NewPackage
- TheSubject
 - BuyerOrg
 - BuyerPerson
 - Manufacturer
 - Product
 - Seller
 - XAction
- NewApplication

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

☒ User ☐ System ☐ To be deleted ☐ Do not persist

Attribute list

	T	R	Attribute Name
1	R		Buyer
2	R		Seller
3	R		Product
4	B		XDate
5	E		XStatus
6	B		XAmount
7	B		SName
8	B		SRegion
9	E		ArchiveStatus
10			
11			

Attribute details

Name: XStatus

Caption: XStatus

Description:

To do:

Help:

1733

1953

Data Type Properties Visualization Business Rules

Properties

- ☒ Required
- ☐ Read only
- ☐ Nonpersistent
- ☐ Public
- ☒ Process state
- ☐ Analytics measure

Keys

- ☐ Identity
- ☐ User selecting
- ☐ User identifying
- ☐ Not in archive
- ☐ Not in audit trail
- ☐ Not in template

Fig 19

SECRET

CopyXfr Attributes

CopyXfr Attributes

Data Descriptor Features Sample Data

CopyXfr Attributes

000E80" 92215960

New	Delete	Up	Down		
<div>.....XAction</div>					
For Help, press F1					

09651226 083000

NUM	

000000" 922215960

NeuArchitect - [MyTest.OMD]

File Edit View Insert Project Multi User Construct Import Window Help

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

MyTest

- NewPackage
- TheSubject
 - BuyerOrg
 - BuyerPerson
 - Manufacturer
 - Product
 - Seller
 - XAction
- NewApplication

To be deleted. 2067

Process list

	Transaction Processing
1	
2	
3	

Process details

Name: Transaction Processing + 2065

Caption:

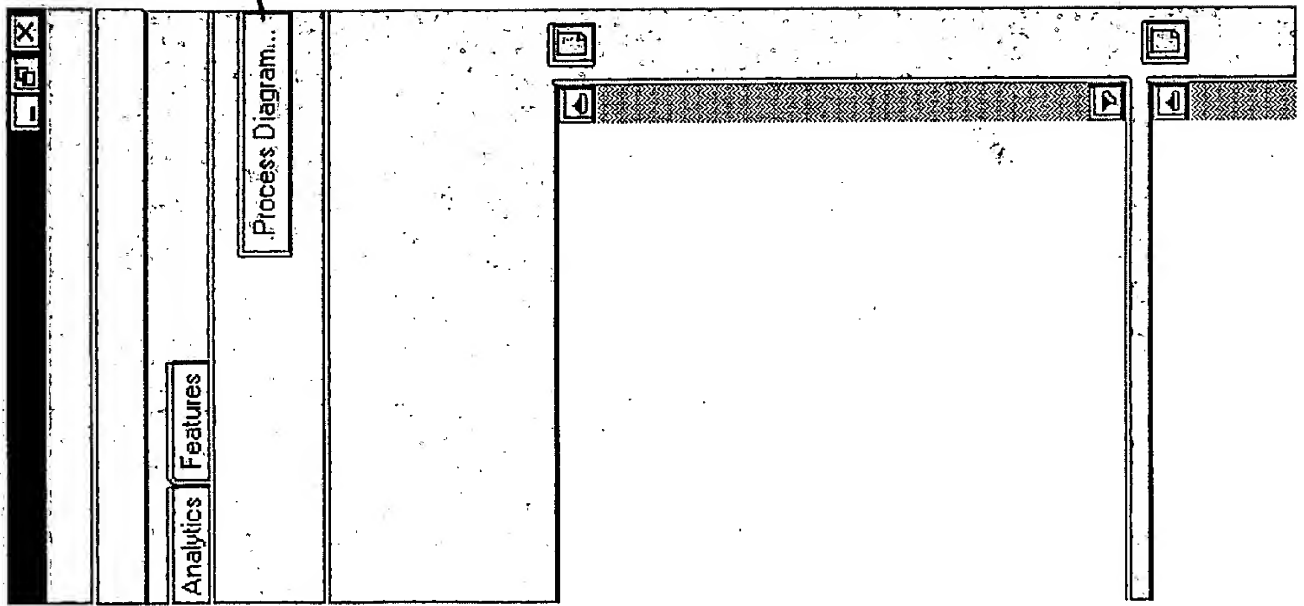
Process state: XStatus 2063

Description:

To do:

Fig. 20

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For Help, press F1

000000" 92215960

<div>Generate Analytics</div>	
<div>New</div>	<div>Edit</div>
<div>Delete</div>	

2095

2097

Analytics Features

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217

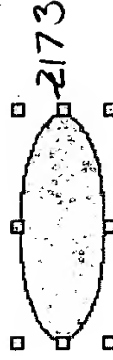
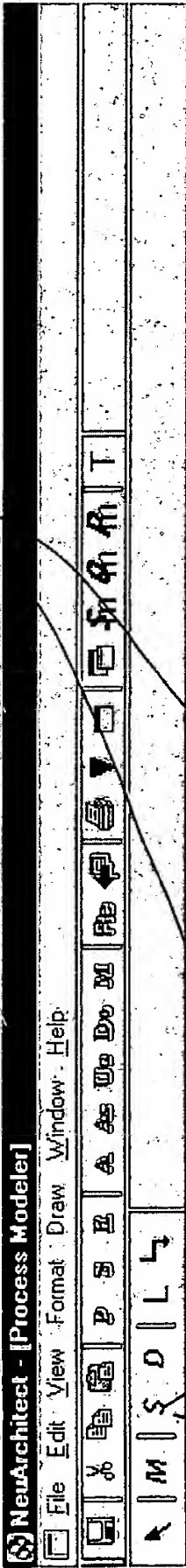


Fig 21

Control Properties

State

Process State	XStatus
State Name	initiated inprogress complete
Description	
Next Step	

Analytics

☐ Start State

☒ Capture Time

Since

Reporting Label

OK Cancel Apply

2217

2211

228

2213

2215

2219

Fig. 22

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NewArchitect - [MyTest.OMD]

File Edit View Insert Project MultiUser Construct Input Window Help

Entity Settings Attributes Method Processes Documents Messages Indexes Data Gen Data Entry

- MyTest
 - NewPackage
 - TheSubject
 - BuyerOrg
 - BuyerPerson
 - Manufacturer
 - Product
 - Seller
 - XAction
- NewApplication

Entity OLAP Analysis

OLAP CubeName: XAction Analytics

NEW EDIT

OLAP Dimensions

TransactionDate	2393
Buyer	
Seller	
Product	

DimensionName

Source Entity

Source Attribute

TransactionDate

Make Steps

2391

Analytics

2395

2397

Fig 23

24101

Fig. 24

Fig. 24

SECRET

Fig. 25

SECRET

2613

2611

000000" 92215960

h.A. new
Product

Edit Dimension

Dimension name:

Dimension time:

☐ Time dimension

Time hierarchy: ☒ Start month: ☒

Order Attributes:

	T	R	Attribute Name
1	B		Amount
2	B		OrderDate
3	E		OrderStatus
4	R		Customer
5	RI		Product
6			
7			

2711

2713

>>

<<

Clear

Dimension levels:

Level display name:

Up Down

Navigate Relationship Back

2715

Fig. 27

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Edit Dimension

Dimension name:

Dimension time: ☐ Time dimension

Time hierarchy: ☒ Start month: ☒

Product Attributes

	T	R	Attribute Name
1	B		ProductName
2	M		Orders
3	B		ProductFamilyName
4			
5			

Month R

Dimension levels

☐ Product.ProductFamilyName
 ☐ Product.ProductName

Level display name:

2815

Fig. 28

2613

Entity OLAP analysis

OLAP cube name:

OLAP dimensions

- [-] OrderDate
- [-] Product
 - [-] **ProductFamilyName**
 - ProductName

Level name:

Source entity:

Source attribute:

Fig. 29